



# MAJOR SOURCE OPERATING PERMIT

**PERMITTEE:** SOUTHERN PARALLEL FOREST PRODUCTS CORP  
**FACILITY NAME:** ALBERTVILLE SAWMILL  
**FACILITY/PERMIT NO.:** 711-S001  
**LOCATION:** ALBERTVILLE, MARSHALL COUNTY, ALABAMA

*In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, Ala. Code §§ 22-28-1 to 22-28-23, as amended, the Alabama Environmental Management Act, Ala. Code §§ 22-22A-1 to 22-22A-17, as amended, and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.*

*Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

**Issuance Date:** DRAFT  
**Effective Date:** DRAFT  
**Expiration Date:** January 31, 2025

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**General Permit Provisos**

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<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>1. <u>Transfer</u></b></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in ADEM Admin. Code R. 335-3-16-.13(1)(a)5.</p>	<p>ADEM Admin. Code r. 335-3-16-.02(6)</p>
<p><b>2. <u>Renewals</u></b></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p>	<p>ADEM Admin. Code r. 335-3-16-.12(2)</p>
<p><b>3. <u>Severability Clause</u></b></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivisions, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(e)</p>
<p><b>4. <u>Compliance</u></b></p> <p>(a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.</p> <p>(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(f)</p> <p>ADEM Admin. Code r. 335-3-16-.05(g)</p>
<p><b>5. <u>Termination for Cause</u></b></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(h)</p>

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**General Permit Provisos**

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<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>6. <u>Property Rights</u></b></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p>	ADEM Admin. Code r. 335-3-16-.05(i)
<p><b>7. <u>Submission of Information</u></b></p> <p>The permittee must submit to the Air Division, within 30 days or for such other reasonable time as the Air Division may set, any information that the Air Division may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Air Division copies of records required to be kept by this permit.</p>	ADEM Admin. Code r. 335-3-16-.05(j)
<p><b>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></b></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p>	ADEM Admin. Code r. 335-3-16-.05(k)
<p><b>9. <u>Certification of Truth, Accuracy, and Completeness</u></b></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p>	ADEM Admin. Code r. 335-3-16-.07(a)
<p><b>10. <u>Inspection and Entry</u></b></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> <p>(a) Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit;</p> <p>(b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit;</p>	ADEM Admin. Code r. 335-3-16-.07(b)

**General Permit Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p>(c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;</p> <p>(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.</p>	
<p><b>11. <u>Compliance Provisions</u></b></p> <p>(a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.</p> <p>(b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.</p>	<p>ADEM Admin. Code r. 335-3-16-.07(c)</p>
<p><b>12. <u>Compliance Certification</u></b></p> <p>The Permittee shall submit a complete and accurate compliance certification by April 1<sup>st</sup> of each year for each annual reporting period of this permit (February 1 – January 31<sup>st</sup>).</p> <p>(a) The compliance certification shall include the following:</p> <ol style="list-style-type: none"><li>(1) The identification of each term or condition of this permit that is the basis of the certification;</li><li>(2) The compliance status;</li><li>(3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with ADEM Admin. Code r. 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);</li><li>(4) Whether compliance has been continuous or intermittent;</li><li>(5) Such other facts as the Air Division may require to determine the compliance status of the source;</li></ol> <p>(b) The compliance certification shall be submitted to:</p>	<p>ADEM Admin. Code r. 335-3-16-.07(e)</p>

**General Permit Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p style="text-align: center;">Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463</p> <p style="text-align: center;">and to:</p> <p style="text-align: center;">Enforcement and Compliance Assurance Division EPA Region 4 Atlanta Federal Center 61 Forsyth Street, SW Atlanta, GA 30303</p> <p><b>13. Reopening for Cause</b></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <ul style="list-style-type: none"><li>(a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire.</li><li>(b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.</li><li>(c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.</li><li>(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</li></ul> <p><b>14. Additional Rules and Regulations</b></p> <p>This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.</p>	<p>ADEM Admin. Code r. 335-3-16-.13(5)</p> <p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p>

**General Permit Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b><u>15. Equipment Maintenance or Breakdown</u></b></p> <p>(a) In case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Air Division at least (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:</p> <ol style="list-style-type: none"><li>(1) Identification of the specific facility to be taken out of service as well as its location and permit number;</li><li>(2) The expected length of time that the air pollution control equipment will be out of service;</li><li>(3) The nature and quality of emissions of air contaminants likely to occur during the shutdown period;</li><li>(4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period;</li><li>(5) The reasons that it would be impossible or impractical to shut down the sources operation during the maintenance period.</li></ol> <p>(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director shall be notified when the breakdown has been corrected.</p>	<p>ADEM Admin. Code r. 335-3-1-.07(1),(2)</p>
<p><b><u>16. Operation of Capture and Control Devices</u></b></p> <p>All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p>	<p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p>

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**General Permit Provisos**

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**Federally Enforceable Provisos**

**Regulations**

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**17. Obnoxious Odors**

This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.

ADEM Admin. Code r.  
335-3-1-.08

**18. Fugitive Dust**

(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.

ADEM Admin. Code r.  
335-3-4-.02

(b) Plant or haul roads and grounds shall be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:

(1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;

(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created;

(3) By paving;

(4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions.

Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Air Division prior to utilization.

**19. Additions and Revisions**

Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.

ADEM Admin. Code r.  
335-3-16-.13 and  
335-3-16-.14

**20. Recordkeeping Requirements**

(a) Records of required monitoring information of the source shall include the following:

ADEM Admin. Code r.  
335-3-16-.05(c)2.

**General Permit Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p>(1) The date, place, and time of all sampling or measurements;</p> <p>(2) The date analyses were performed;</p> <p>(3) The company or entity that performed the analyses;</p> <p>(4) The analytical techniques or methods used;</p> <p>(5) The results of all analyses; and</p> <p>(6) The operating conditions that existed at the time of sampling or measurement.</p> <p>(b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit.</p>	
<p><b>21. Reporting Requirements</b></p>	
<p>(a) Reports to the Air Division of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with ADEM Admin. Code R. 335-3-16-.04(9).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report shall include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)3.</p>
<p><b>22. Emission Testing Requirements</b></p>	
<p>Each point of emission which requires testing shall be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p>	<p>ADEM Admin. Code r. 335-3-1-.05(3) and 335-3-1-.04(1)</p>





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**General Permit Provisos**

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<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b><u>28. Circumvention</u></b></p> <p>No person shall cause or permit the installation or use of any device or any means which, without resulting in the reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.</p>	<p>ADEM Admin. Code r. 335-3-1-.10</p>
<p><b><u>29. Visible Emissions</u></b></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.</p>	<p>ADEM Admin. Code r. 335-3-4-.01(1)</p>
<p><b><u>30. Fuel-Burning Equipment</u></b></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in ADEM Admin. Code R. 335-3-4-.03.</p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in ADEM Admin. Code R. 335-3-5-.01.</p>	<p>ADEM Admin. Code r. 335-3-4-.03</p> <p>ADEM Admin. Code r. 335-3-5-.01</p>
<p><b><u>31. Process Industries – General</u></b></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in ADEM Admin. Code R. 335-3-4-.04.</p>	<p>ADEM Admin. Code r. 335-3-4-.04</p>
<p><b><u>32. Averaging Time for Emission Limits</u></b></p> <p>Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p><b><u>33. Open Burning</u></b></p> <p>Precautions should be taken to ensure that no person shall ignite, cause to ignite, permit to be ignited, or maintain any open fire in such a manner as to cause the Department’s rules and regulations applicable to open burning to be violated.</p>	<p>ADEM Admin. Code r. 335-3-3-.01</p>

## Emission Unit No. 002 (Lumber Dry Kilns: North and South)

### Summary Page

**Description:** Two (2) 182.14 thousand board-foot (MBF) Moore-Oregon steam-heated lumber dry kilns

**Permitted Operating Schedule:**  $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

**Emission limitations:**

Emission Point No.	Description	Pollutant	Emission limit	Regulation
K100	North Lumber Kiln Roof Vents	PM	E=3.59P <sup>0.62</sup> [P < 30 TPH] or E=17.31P <sup>0.16</sup> [P ≥ 30 TPH]	ADEM Admin. Code r. 335-3-4-.04
		VOC	7.0 lb/MBF	ADEM Admin. Code r. 335-3-14-.04
			<b>Combined Production Limit:</b> 187,800 MBF during any consecutive 12-month period	ADEM Admin. Code r. 335-3-14-.04
K101	South Lumber Kiln Roof Vents	PM	E=3.59P <sup>0.62</sup> [P < 30 TPH] or E=17.31P <sup>0.16</sup> [P ≥ 30 TPH]	ADEM Admin. Code r. 335-3-4-.04
		VOC	7.0 lb/MBF	ADEM Admin. Code r. 335-3-14-.04
			<b>Combined Production Limit:</b> 187,800 MBF during any consecutive 12-month period	ADEM Admin. Code r. 335-3-14-.04

**Emission Unit No. 002 (Lumber Dry Kilns: North and South)**

**Unit Specific Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>1. <u>Applicability</u></b></p> <p>(a) These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-14-.04, "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration Permitting (PSD)]."</p> <p>(c) These units are subject to the applicable requirements of 40 CFR 63, Subpart DDDD, National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products, and the applicable requirements of 40 CFR 63, Subpart A, General Provisions as provided in Table 10 to Subpart DDDD.</p> <p><b>2. <u>Emission Standards</u></b></p> <p>(a) The Permittee shall not cause or allow the emission of particulate matter in any one hour from each of these units in excess of the amount determined by the following equation:</p> $E = 3.59P^{0.62} \quad (P < 30 \text{ TPH})$ $E = 17.31P^{0.16} \quad (P \geq 30 \text{ TPH})$ <p>where     E = Emissions in pounds per hour                      P = Process weight in tons per hour</p> <p>(b) The Permittee shall not cause or allow the combined dried lumber production of the North and South Lumber Kilns to exceed 187,800 MBF during any consecutive 12-month period.</p> <p>(c) The Permittee shall not cause or allow the emission of volatile organic compounds (VOC) from each kiln to exceed 7.0 lb/MBF, reported as pinene with a response factor of 1.13 lb pinene/lb carbon.</p> <p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>(a) If testing is required, the particulate emission rate shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD</p> <p>ADEM Admin. Code r. 335-3-4-.04(1)</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>

Federally Enforceable Provisos	Regulations
<p>(b) If testing is required, the visible emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(c) If testing is required, the volatile organic compound (VOC) emission rate from the kilns shall be determined in accordance with Method 25A at 40 CFR Part 60, Appendix A.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(d) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p><b>4. <u>Emission Monitoring</u></b></p>	
<p>(a) Within 10 days of the end of each calendar month, the Permittee shall determine compliance with the combined dried lumber production limitation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) The Permittee shall operate the lumber kilns following a wet bulb set point drying schedule of 185 °F or lower.</p>	<p>ADEM Admin. Code r. 335-3-14-.04 and ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(c) The Permittee shall follow the following routines for preventative maintenance:</p>	<p>ADEM Admin. Code r. 335-3-14-.04 and ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(1) Daily Routine</p> <ul style="list-style-type: none"> <li>(i) Check wet bulb socks and change, if needed</li> <li>(ii) Check temperature sensors for proper operation</li> <li>(iii) Check water flow to wet bulbs</li> </ul> <p>(2) Monthly Routine</p> <ul style="list-style-type: none"> <li>(i) Inspect temperature sensor mounts for damage</li> <li>(ii) Inspect vent linkage and operation</li> </ul>	
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p>	
<p>(a) The Permittee shall maintain records of dried lumber production for the kilns on a monthly and 12-month rolling total basis. These records shall be maintained in a permanent form suitable for inspection for a period of 5 years from the date of generation of each record and shall be made available for inspection upon request.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p><b>(b)</b> Should the combined production limitation be exceeded during any consecutive 12-month period, the Permittee shall notify the Air Division within two (2) working days of determining that the exceedance occurred.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>(c)</b> The Permittee shall maintain copies of all kiln charge graphs and records of preventative and corrective maintenance items on the vent systems and temperature sensing systems. For each batch processed, the graphs shall contain the date, charge quantity, actual drying time, maximum wet bulb temperature set point, maximum dry bulb temperature, and final temperature drop across the load (TDAL). These records shall be maintained in a permanent form suitable for inspection for a period of 5 years from the date of generation of each record and shall be made available for inspection upon request.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>(d)</b> The Permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (January 1<sup>st</sup> to June 30<sup>th</sup> and July 1<sup>st</sup> to December 31<sup>st</sup>). The report shall:</p> <p><b>(1)</b> Certify whether the emission monitoring requirements (including the work practice and operational standards) were accomplished as required, and if not, describes the date and reason any required monitoring was not accomplished;</p> <p><b>(2)</b> Provide the nature and date of any corrective actions taken or preventative measures adopted following an excursion from an operational standard; and</p> <p><b>(3)</b> Provide the combined dried lumber production total for each month and consecutive 12-month period during the applicable reporting period.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

## Emission Unit No. 003 (Planer Mill Operation)

### Summary Page

**Description:** Transfer system with cyclone for planer mill shavings and hogged wood waste

**Permitted Operating Schedule:**  $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

#### Emission limitations:

Emission Point No.	Description	Pollutant	Emission limit	Regulation
C100	Exhaust stack for cyclone associated with transfer system	PM	$E=3.59P^{0.62}$ [P < 30 TPH] or $E=17.31P^{0.16}$ [P ≥ 30 TPH]	ADEM Admin. Code r. 335-3-4-.04

**Emission Unit No. 003 (Planer Mill Operation)**

**Unit Specific Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>1. <u>Applicability</u></b></p> <p>This process is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p>
<p><b>2. <u>Emission Standards</u></b></p> <p>The Permittee shall not cause or allow the emission of particulate matter in any one hour from each of these units in excess of the amount determined by the following equation:</p> $E = 3.59P^{0.62} \quad (P < 30 \text{ TPH})$ $E = 17.31P^{0.16} \quad (P \geq 30 \text{ TPH})$ <p>where     E = Emissions in pounds per hour                      P = Process weight in tons per hour</p>	<p>ADEM Admin. Code r. 335-3-4-.04(1)</p>
<p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>(a) If testing is required, the particulate emission rate shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A.</p> <p>(b) If testing is required, the visible emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A.</p> <p>(c) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>
<p><b>4. <u>Emission Monitoring</u></b></p> <p>(a) While the planer mill/wood hog and transfer system are operating, someone familiar with the process shall observe the visible emissions from the cyclone at least <u>weekly</u> during daylight hours for greater than normal visible emissions as determined by previous observations of normal operation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p>(b) Whenever observed visible emissions are greater than normal, corrective action shall be initiated as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that emissions have been reduced to normal.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(c) The cyclone shall be inspected for proper operation and cleaned at least annually, but more frequently if greater than normal visible emissions are observed.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p>	
<p>(a) The Permittee shall maintain records, including dates, times, and results, of all visible emissions observations; corrective actions taken for greater than normal visible emissions; and cyclone inspections, cleanings, and emissions-related maintenance in a permanent form suitable for inspection for a period of 5 years from the date of generation of each record. The records shall be made available for inspection upon request.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) The Permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (January 1<sup>st</sup> to June 30<sup>th</sup> and July 1<sup>st</sup> to December 31<sup>st</sup>). The report shall:</p> <ol style="list-style-type: none"> <li>(1) Certify whether the emission monitoring requirements were accomplished as required, and if not, describes the date and reason any required monitoring was not accomplished;</li> <li>(2) Provide the date, time, and duration of any instance that greater than normal visible emissions were observed from the cyclone;</li> <li>(3) Provide the nature and date of any corrective actions taken or preventative measures adopted following an observation of greater than normal visible emissions; and</li> <li>(4) Provide the date of the annual inspection and cleaning of the cyclone.</li> </ol>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

## Emission Unit No. 004 (Sawmill Operation)

### Summary Page

**Description:** Transfer system with cyclone for sawdust generated during sawmill operations

**Permitted Operating Schedule:**  $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

#### Emission limitations:

Emission Point No.	Description	Pollutant	Emission limit	Regulation
C101	Exhaust stack for cyclone associated with transfer system to storage bin	PM	$E=3.59P^{0.62}$ [P < 30 TPH] or $E=17.31P^{0.16}$ [P ≥ 30 TPH]	ADEM Admin. Code r. 335-3-4-.04

**Emission Unit No. 004 (Sawmill Operation)**

**Unit Specific Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>1. <u>Applicability</u></b></p> <p>This process is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p>
<p><b>2. <u>Emission Standards</u></b></p> <p>The Permittee shall not cause or allow the emission of particulate matter in any one hour from this unit in excess of the amount determined by the following equation:</p> $E = 3.59P^{0.62} \quad (P < 30 \text{ TPH})$ $E = 17.31P^{0.16} \quad (P \geq 30 \text{ TPH})$ <p>where     E = Emissions in pounds per hour                      P = Process weight in tons per hour</p>	<p>ADEM Admin. Code r. 335-3-4-.04(1)</p>
<p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>(a) If testing is required, the particulate emission rate shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A.</p> <p>(b) If testing is required, the visible emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A.</p> <p>(c) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>
<p><b>4. <u>Emission Monitoring</u></b></p> <p>(a) While the sawmill and transfer system are operating, someone familiar with the process shall observe the visible emissions from the associated operating cyclone at least <u>weekly</u> during daylight hours for greater than normal visible emissions as determined by previous observations of normal operation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p>(b) Whenever observed visible emissions are greater than normal, corrective action shall be initiated as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that emissions have been reduced to normal.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(c) The cyclone shall be inspected for proper operation and cleaned at least annually, but more frequently if greater than normal visible emissions are observed.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p>	
<p>(a) The Permittee shall maintain records, including dates, times, and results, of all visible emissions observations; corrective actions taken for greater than normal visible emissions; and cyclone inspections, cleanings, and emissions-related maintenance in a permanent form suitable for inspection for a period of 5 years from the date of generation of each record. The records shall be made available for inspection upon request.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) The Permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (January 1<sup>st</sup> to June 30<sup>th</sup> and July 1<sup>st</sup> to December 31<sup>st</sup>). The report shall:</p> <ol style="list-style-type: none"> <li>(1) Certify whether the emission monitoring requirements were accomplished as required, and if not, describes the date and reason any required monitoring was not accomplished;</li> <li>(2) Provide the date, time, and duration of any instance that greater than normal visible emissions were observed from the cyclone;</li> <li>(3) Provide the nature and date of any corrective actions taken or preventative measures adopted following an observation of greater than normal visible emissions; and</li> <li>(4) Provide the date of the annual inspection and cleaning of the cyclone.</li> </ol>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

**Emission Unit No. 005 (Waste Wood Chipper [Sawmill Chips])**  
**Summary Page**

**Description:** Transfer system with cyclone for oversized chips from the waste wood chipper

**Permitted Operating Schedule:**  $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

**Emission limitations:**

Emission Point No.	Description	Pollutant	Emission limit	Regulation
C102	Exhaust stack for cyclone associated with transfer system	PM	$E=3.59P^{0.62}$ [P < 30 TPH] or $E=17.31P^{0.16}$ [P ≥ 30 TPH]	ADEM Admin. Code r. 335-3-4-.04

**Emission Unit No. 005 (Waste Wood Chipper [Sawmill Chips])**

**Unit Specific Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>1. <u>Applicability</u></b></p> <p>This process is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits.”</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p>
<p><b>2. <u>Emission Standards</u></b></p> <p>The Permittee shall not cause or allow the emission of particulate matter in any one hour from each of these units in excess of the amount determined by the following equation:</p> $E = 3.59P^{0.62} \quad (P < 30 \text{ TPH})$ $E = 17.31P^{0.16} \quad (P \geq 30 \text{ TPH})$ <p>where     E = Emissions in pounds per hour</p> <p>              P = Process weight in tons per hour</p>	<p>ADEM Admin. Code r. 335-3-4-.04(1)</p>
<p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>(a) If testing is required, the particulate emission rate shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A.</p> <p>(b) If testing is required, the visible emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A.</p> <p>(c) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>
<p><b>4. <u>Emission Monitoring</u></b></p> <p>(a) While the waste wood chipper and transfer system are operating, someone familiar with the process shall observe the visible emissions from the cyclone at least <u>weekly</u> during daylight hours for greater than normal visible emissions as determined by previous observations of normal operation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos	Regulations
<p>(b) Whenever observed visible emissions are greater than normal, corrective action shall be initiated as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that emissions have been reduced to normal.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(c) The cyclone shall be inspected for proper operation and cleaned at least annually, but more frequently if greater than normal visible emissions are observed.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p>	
<p>(a) The Permittee shall maintain records, including dates, times, and results, of all visible emissions observations; corrective actions taken for greater than normal visible emissions; and cyclone inspections, cleanings, and emissions-related maintenance in a permanent form suitable for inspection for a period of 5 years from the date of generation of each record. The records shall be made available for inspection upon request.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) The Permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (January 1<sup>st</sup> to June 30<sup>th</sup> and July 1<sup>st</sup> to December 31<sup>st</sup>). The report shall:</p> <ol style="list-style-type: none"> <li>(1) Certify whether the emission monitoring requirements were accomplished as required, and if not, describes the date and reason any required monitoring was not accomplished;</li> <li>(2) Provide the date, time, and duration of any instance that greater than normal visible emissions were observed from the cyclone;</li> <li>(3) Provide the nature and date of any corrective actions taken or preventative measures adopted following an observation of greater than normal visible emissions; and</li> <li>(4) Provide the date of the annual inspection and cleaning of the cyclone.</li> </ol>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

**Emission Unit No. 007 (Three 28.576 MMBtu/hr NG-Fired Boilers)**

**Summary Page**

**Description:** Three 28.576 MMBtu/hr Natural Gas-Fired Boilers (Propane Standby Fuel)

**Permitted Operating Schedule:**  $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

**Emission limitations:**

Emission Point No.	Description	Pollutant	Emission limit	Regulation
NGB 1 NGB 2 NGB 3	Exhaust stacks for natural gas-fired boilers 1, 2, and 3	PM	$E=1.38H^{.44}$ Where: E=Emissions in lb/million BTU H=Heat Input in millions of BTU/hr	ADEM Admin. Code r. 335-3-4-.03(1)

**Emission Unit No. 007 (Three 28.576 MMBtu/hr NG-Fired Boilers)**

**Unit Specific Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>1. <u>Applicability</u></b></p> <p>(a) These boilers are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>(b) These boilers are subject to the Standards of Performance for New Stationary Sources; Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR Part 60, Subpart Dc.</p> <p>(c) These boilers are subject to the National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR Part 63, Subpart DDDDD.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-10-.02(2)(c) and 40 CFR Part 60, Subpart Dc</p> <p>ADEM Admin. Code r. 335-3-11-.06(107) and 40 CFR Part 63, Subpart DDDDD</p>
<p><b>2. <u>Emission Standards</u></b></p> <p>(a) The Permittee shall not cause or permit the emission of particulate matter from the boiler(s) to exceed the amount determined by the following equation:</p> $E=1.38H^{-0.44}$ <p>Where: E=Emissions in lb/million BTU</p> <p>H=Heat Input in millions of BTU/hr</p> <p>(b) The Permittee shall use only natural gas or propane as fuel for these boilers. Approval must be received from the Air Division prior to burning any other type fuel.</p>	<p>ADEM Admin. Code r. 335-3-4-.03(1)</p> <p>ADEM Admin. Code r. 335-3-14-.01</p>
<p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>(a) If testing is required, the particulate emission rate shall be determined in accordance with Method 5 at 40 CFR Part 60, Appendix A.</p> <p>(b) If testing is required, the visible emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>

Federally Enforceable Provisos	Regulations
<p>(c) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p><b>4. <u>Emission Monitoring</u></b></p> <p>The Permittee shall conduct a tune-up of each boiler annually as specified in §63.7515(e) and §63.7540(a)(10). Each annual tune-up must be no more than 13 months after the previous tune-up.</p>	<p>ADEM Admin. Code r. 335-3-11-.06(107) and 40 CFR Part 63, Subpart DDDDD</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p>	
<p>(a) Records of fuel usage for each boiler shall be recorded and maintained in a permanent form suitable for inspection. Records may be recorded on a daily or monthly basis and must include the type(s) of fuel and amount(s) used. The records shall be maintained on-site for a period of five (5) years from the date of generation of each record and be made available for inspection upon request.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c); ADEM Admin. Code r. 335-3-10-.02(2)(c) and 40 CFR Part 60, Subpart Dc</p>
<p>(b) The Permittee shall keep a copy of each notification and report it submitted to comply with 40 CFR Part 63, Subpart DDDDD. The records shall include all documentation supporting any Initial Notification, Notification of Compliance Status, and any Annual Compliance Report submitted. The records shall be maintained in a form suitable and readily available for expeditious review. They must be kept for five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The Permittee shall keep each record on-site, or they must be accessible from on-site (for example, through a computer network), for at least two (2) years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. Records may be kept off-site for the remaining three (3) years.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c); ADEM Admin. Code r. 335-3-11-.06(107) and 40 CFR §63.7555(a) and §63.7560</p>
<p>(c) The Permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (January 1<sup>st</sup> to June 30<sup>th</sup> and July 1<sup>st</sup> to December 31<sup>st</sup>). The report shall certify whether the records of fuel usage for each boiler were maintained as required in Item 5(a) above, and if not, the date(s) and reason the records were not maintained.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(d) The Permittee shall submit an Annual Compliance Report, as required by 40 CFR 63, Subpart DDDDD, §63.7550(b), to be postmarked or submitted by April 1<sup>st</sup> each year for the</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c); ADEM Admin. Code r.</p>

Federally Enforceable Provisos	Regulations
<p>previous calendar year reporting period (January 1<sup>st</sup> to December 31<sup>st</sup>). The report shall contain the following:</p> <ul style="list-style-type: none"> <li>(1) Company and Facility name and address;</li> <li>(2) Process unit information, emission limitations, and operating parameter limitations;</li> <li>(3) Date of report and beginning and end dates of the reporting period;</li> <li>(4) The total operating time during the reporting period;</li> <li>(5) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual tune-up according to §63.7540(a)(10). Include the date of the most recent burner inspection if it was not done annually and was delayed until the next scheduled or unscheduled unit shutdown;</li> <li>(6) If there are no deviations from the applicable requirements for work practice standards in Table 3 to Subpart DDDDD, a statement that there were no deviations from the work practice standards during the reporting period; and</li> <li>(7) If there is a deviation from a work practice standard during the reporting period, the report must contain the information in §63.7550(d).</li> </ul>	<p>335-3-11-.06(1) and (107); 40 CFR Part 63; Table 9 and Table 10 to 40 CFR Part 63, Subpart DDDDD</p>

**Emission Unit No. 008 (Emergency Fire Water Pump Engine)**  
**Summary Page**

**Description:** 130 hp Diesel Emergency Fire Water Pump Engine

**Permitted Operating Schedule:**  $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

**Emission limitations:**

<b>Emission Point No.</b>	<b>Description</b>	<b>Pollutant</b>	<b>Emission limit</b>	<b>Regulation</b>
008	Emergency Fire Water Pump Engine	HAP	N/A	40 CFR 63, Subpart ZZZZ

**Emission Unit No. 008 (Emergency Fire Water Pump Engine)**

**Unit Specific Provisos**

<b>Federally Enforceable Provisos</b>	<b>Regulations</b>
<p><b>1. <u>Applicability</u></b></p> <p>(a) This unit is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits.”</p> <p>(b) This unit is subject to the applicable requirements of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR Part 63, Subpart ZZZZ, and the applicable requirements of 40 CFR 63, Subpart A, General Provisions as provided in Table 8 to Subpart ZZZZ.</p> <p><b>2. <u>Emission Standards</u></b></p> <p>(a) The Permittee shall comply with the applicable requirements of 40 CFR §63.6602 and Table 2c to Subpart ZZZZ, which include, but may not be limited to:</p> <p>(i) Meet the following work practice requirements, except during periods of startup:</p> <p style="margin-left: 40px;">A. Change oil and filter every 500 hours of operation or annually, whichever comes first;</p> <p style="margin-left: 40px;">B. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and</p> <p style="margin-left: 40px;">C. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.</p> <p>(ii) During periods of startup, minimize the engine’s time spent at idle and minimize the engine’s startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.</p> <p>(iii) If a unit is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(103)</p> <p>40 CFR §63.6602</p>

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<p>(b) The Permittee shall not operate this unit except as provided in §63.6640(f)(1) through (f)(4), which include but may not be limited to:</p> <ul style="list-style-type: none"> <li>(i) Emergency situations;</li> <li>(ii) Maintenance checks and readiness testing, not to exceed 100 hours per year; and</li> <li>(iii) Non-emergency situations, not to exceed 50 hours per year (those 50 hours are counted towards the 100 hours per year provided for maintenance and testing).</li> </ul>	<p>40 CFR §63.6640</p>
<p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p> <p>There are no performance test methods or procedures associated with this unit.</p>	<p>N/A</p>
<p><b>4. <u>Emission Monitoring</u></b></p> <p>(a) The Permittee shall operate and maintain this unit according to the manufacturer's emission-related written instructions <u>or</u> develop a maintenance plan that provides for, to the extent practicable, the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.</p> <p>(b) The engine shall be equipped with a non-resettable hour meter.</p>	<p>40 CFR §63.6625(e) and 40 CFR §63.6640(a)</p> <p>40 CFR §63.6625(f)</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p> <p>(a) The Permittee shall keep records of the operation and maintenance of the unit in accordance with 40 CFR §63.6655. At a minimum, these records shall include:</p> <ul style="list-style-type: none"> <li>(i) For each period of operation, the length of operation and the reason the engine was in operation during that time. For periods of operation designated as “emergency operation,” the records shall reflect what classified the operation as emergency;</li> <li>(ii) The total number of hours the engine was operated during a calendar year subtotaled by the reason the engine was in operation;</li> <li>(iii) The dates of each oil and filter change with the corresponding hour on the hour meter;</li> <li>(iv) The dates of each inspection and replacement of air cleaners, hoses, and belts with the corresponding hour on the hour meter; and</li> </ul>	<p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §63.6655</p>

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<p>(v) The dates and nature of other emission-related repairs and maintenance performed.</p> <p><b>(b)</b> The Permittee shall maintain on-site for the life of each unit either a copy of the manufacturer’s emission-related operation and maintenance instructions for the unit or the maintenance plan developed in accordance with §63.6625(e) for the unit.</p> <p><b>(c)</b> The Permittee shall maintain files of all information (including all reports and notifications) required by 40 CFR Part 63, Subparts A and ZZZZ for this unit recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on-site. The remaining 3 years of data may be retained off-site.</p> <p><b>(d)</b> The Permittee shall report to the Air Division any failure to perform a work practice on the schedule required, including instances when the work practice standard was not performed due to emergency operation or unacceptable risk under a federal, state, or local law. The Permittee shall submit the report within two working days of the deviation and shall provide an explanation as to why the work practice requirement was not performed.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c), 40 CFR §63.6660, and 40 CFR §63.10(b)(1)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c) and 40 CFR §63.6640(b)</p>

**Emission Unit No. 009 (110,000 MBF/yr Continuous Direct-Fired Lumber Dry Kiln)**  
**Summary Page**

**Description:** 110,000 MBF/yr Continuous Direct-Fired Lumber Dry Kiln with 35 MMBtu/hr Wood-Fired Burner

**Permitted Operating Schedule:**  $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

**Emission limitations:**

<b>Emission Point No.</b>	<b>Description</b>	<b>Pollutant</b>	<b>Emission limit</b>	<b>Regulation</b>
EU-009	CDK 2 Stacks and 2 Doors	PM	E=3.59P <sup>0.62</sup> [P < 30 TPH]  or  E=17.31P <sup>0.16</sup> [P ≥ 30 TPH]	ADEM Admin. Code r. 335-3-4-.04
EU-009	CDK 2 Stacks and 2 Doors	PM (TSP/PM <sub>10</sub> )	2.25 lb/hr	ADEM Admin. Code r. 335-3-14-.04
EU-009	CDK 2 Stacks and 2 Doors	PM <sub>2.5</sub>	1.84 lb/hr	ADEM Admin. Code r. 335-3-14-.04
EU-009	CDK 2 Stacks and 2 Doors	VOC	4.78 lb/MBF (as WPP1)	ADEM Admin. Code r. 335-3-14-.04

**Emission Unit No. 009 (110,000 MBF/yr Continuous Direct-Fired Lumber Dry Kiln)**

**Unit Specific Provisos**

Federally Enforceable Provisos	Regulations
<p><b>1. <u>Applicability</u></b></p> <p>(a) This process is subject to the applicable requirements of ADEM Admin. Code . 335-3-16-.03, “Major Source Operating Permits.”</p> <p>(b) This unit is subject to the applicable requirements of 40 CFR Part 63, Subpart DDDD, National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products, and the applicable requirements of 40 CFR Part 63, Subpart A, General Provisions as provided in Table 10 to Subpart DDDD.</p> <p>(c) This unit is subject to a synthetic minor emission limitation to restrict its potential to emit for particulate matter to below the applicability threshold established at ADEM Admin. Code r. 335-3-14-.04, “Air Permits Authorizing Construction in Clean Air Areas (Prevention of Significant Deterioration Permitting (PSD)).”</p> <p>(d) This unit is subject to a Best Available Control Technology (BACT) limit for volatile organic compounds (VOC) established pursuant to the applicable requirements of ADEM Admin. Code r. 335-3-14-.04, “Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration Permitting (PSD)]”.</p>	<p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-11-.06(81) 40 CFR Part 63, Subpart DDDD</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p>
<p><b>2. <u>Emission Standards</u></b></p> <p>(a) The Permittee shall not cause or allow the emission of particulate matter in any one hour from this unit in excess of the amount determined by the following equation:</p> $E = 3.59P^{0.62} \quad (P < 30 \text{ TPH})$ $E = 17.31P^{0.16} \quad (P \geq 30 \text{ TPH})$ <p>where E = Emissions in pounds per hour P = Process weight in tons per hour</p> <p>(b) The Permittee shall not cause or allow the Particulate Matter (TSP/PM<sub>10</sub>) emission rate from the CDK to exceed 2.25 lb/hr.</p> <p>(c) The Permittee shall not cause or allow the Particulate Matter (PM<sub>2.5</sub>) emission rate from the CDK to exceed 1.84 lb/hr.</p>	<p>ADEM Admin. Code r. 335-3-4-.04(1)</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p>

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<p>(d) The Permittee shall not cause or allow the VOC emissions from the CDK to exceed 4.78 lb/MBF as WPP1 (as VOC expressed as propane, determined as <math>VOC_{as\ C} \times 1.225 + [(1 - 0.65) \times \text{Methanol}] + \text{Formaldehyde}</math>).</p>	<p>ADEM Admin. Code r. 335-3-14-.04</p>
<p><b>3. <u>Compliance and Performance Test Methods and Procedures</u></b></p>	
<p>(a) If testing is required, the particulate emission rate shall be determined in accordance with Method 5, 17, or 201A and Method 202 found at 40 CFR Part 60, Appendix A (Methods 5 and 17) and 40 CFR Part 51, Appendix M (Methods 201A and 202).</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(b) If testing is required, the visible emissions shall be determined in accordance with Method 9 at 40 CFR Part 60, Appendix A.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(c) If testing is required, the volatile organic compound emission rate shall be measured in accordance with Method 18, 25, 25A, or 25B at 40 CFR Part 60, Appendix A.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p>(d) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p>	<p>ADEM Admin. Code r. 335-3-1-.05</p>
<p><b>4. <u>Emission Monitoring</u></b></p>	
<p>(a) The Permittee shall operate the CDK in accordance with its maintenance and operating plan submitted to the Air Division on October 21, 2019. Any change to the plan shall receive prior approval from the Air Division.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) The Permittee shall measure and record the moisture content of the dried lumber. The 12-month rolling average moisture content shall be <math>\geq 12\%</math>.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>5. <u>Recordkeeping and Reporting Requirements</u></b></p>	
<p>(a) The Permittee shall maintain records documenting its compliance with the maintenance and operating plan.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p>(b) The Permittee shall calculate and record the average monthly and 12-month rolling average lumber moisture content. Within ten (10) days of the end of each calendar month, records of the average lumber moisture content for the last calendar month shall be recorded and the rolling 12-month average updated.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

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<p><b>(c)</b> The Permittee shall maintain records of total kiln production, including monthly production and 12-month rolling totals. Within ten (10) days of the end of each calendar month, records of the total throughput for the last calendar month shall be recorded and the rolling 12-month total updated.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>(d)</b> The Permittee shall retain all required records in a permanent form suitable and readily available for inspection for a period of five (5) years from the date of generation of each record.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>(e)</b> If the CDK should exceed an applicable limit at any time, the Permittee shall notify the Air Division within two (2) working days of determining that the exceedance occurred.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
<p><b>(f)</b> The Permittee shall submit a Semiannual Monitoring Report, as required by General Permit Proviso No. 21(a), no later than 60 days after the end of each semiannual reporting period (January 1<sup>st</sup> to June 30<sup>th</sup> and July 1<sup>st</sup> to December 31<sup>st</sup>). The report shall:</p> <ol style="list-style-type: none"> <li><b>(1)</b> Certify whether the emission monitoring requirements were accomplished as required, and if not, describes the date and reason any required monitoring was not accomplished;</li> <li><b>(2)</b> Provide the nature and date of any corrective actions taken or preventative measures adopted following an excursion;</li> <li><b>(3)</b> Provide the monthly and 12-month rolling total average lumber moisture content for each month during the reporting period; and</li> <li><b>(4)</b> Provide the monthly and 12-month rolling total dried lumber production for each month during the reporting period.</li> </ol>	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>